Special Track on:
INFORMATION ACCESS AND RETRIEVAL

For the past 32nd years the ACM Symposium on Applied Computing (SAC) has been a primary and international forum for applied computer scientists, computer engineers and application developers to gather, interact and present their work. The ACM Special Interest Group on Applied Computing (SIGAPP) is the sole sponsor of SAC. The conference proceedings are published by ACM and are also available online through ACM's Digital Library.

The Information Access and Retrieval special track is concerned with the theory, implementation and evaluation of information access technologies to novel application areas and novel contexts.

Important Dates

September 15, 2017 : Submission of regular papers and SRC abstracts

November 10, 2017 : Notification of papers and posters and SRC acceptance/rejection

November 25, 2017: Camera - ready copies of accepted papers

December 10, 2017: Author registration due date

February 09, 2018: Selection of the best paper for each theme

April 10, 2018: SRC Poster Presentations

Track Co-Chairs & Contacts

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Special Track on Information Access and Retrieval (IAR - SAC 2018)

Information Retrieval (IR) can be considered as the first historical research area aimed at defining systems for automatically accessing huge amounts of unstructured information. In the past 30 years, IR has grown well beyond its primary goals of indexing and searching textual documents in static bibliographic collections, and has moved away from the perception of being the narrow area of interest of librarians and information experts.

With the incredible expansion of the Web, the expression "big data" has become of common use to indicate huge amounts of both unstructured and structured data. In this context new techniques to access and to manage "big data" have been defined.

In the era of "big data", a widespread diversification of information access technologies has been developed (e.g. Recommender Systems, Question Answering Systems, Geographic IRS, social information systems and services); moreover these technologies are used in many different applicative contexts.

These new technologies reflect the evolution of the research on information access and retrieval that has moved from considering the problems posed by the management of textual information such as the modelling, design, implementation and evaluation of systems that provide a fast and effective access to large amount of textual documents, to deal with the problems posed by systems managing a large amount of distributed multimedia information, heterogeneous with respect to many aspects such as formats, types, genres, authorships and quality.

The main issues of the research in this field include: to provide effective means to express information needs, to identify user intents and interests, to analyse the retrieved results by estimating the relevance of documents to user information needs and intentions, to identify the trusted information sources. These are complex tasks that depend on several factors among which the subjective and multi-dimensional nature of relevance, both user's and documents' context, and the documents' nature as well.

The definition of new models as well as their application and evaluation in standard experimental contexts are very challenging tasks that deserve a great attention by the researchers.

Topics

This special track is concerned with the theory, implementation and evaluation of information access technologies to novel application areas and novel contexts. This is the 15th edition of this track in the context of SAC.

We invite submission of original research contributions, and experimentations in emerging fields such as Context-based and personalized IR; crowed-sourced Information analysis and filtering; Collaborative search and filtering; User Interfaces for information access, presentation, and exploration of web results; quality assessment for Information retrieval and filtering.

The topics of interest include:

- Big data summarization and filtering

- Multimedia information indexing and retrieval

- Semantic, conceptual, ontology-based indexing and querying

- Users' modelling and personalization in IR and filtering,

- Context-based IR and filtering,

- Flexible query languages,

- Topic and event detection and tracking,

- Cross language retrieval,

- Collaborative information searching and filtering,

- (Mobile) Search engines and location-based services,

- Models of information access and retrieval,

- Emerging Applications of information access and retrieval,

- Web Recommendation search, ranking and summarization

Guidelines for Submission:

Original full papers and Student Research (SRC) abstracts from the above mentioned or other related areas will be considered. Submissions fall into the following categories: Original and unpublished work Reports of innovative computing applications in the arts, sciences, engineering, and business areas Reports of successful technology transfer to new problem domains Reports of industrial experience and demos of new innovative systems

Peer groups with expertise in the track focus area will blindly review submissions to that track. Each submitted paper will be reviewed by at least three referees. Accepted papers will be published in the annual conference proceedings. Submission guidelines can be found in the download page of SAC 2018 Website https://www.sigapp.org/sac/sac2018/.

Papers and SRC Abstracts should be submitted per track using the provided automated submission system via the website. **Submission of the same paper and SRC Abstract to multiple tracks is not allowed**.

Submissions must follow the template reported at the conference web site.

Further information on SRC Abstracts are provided in the Call for SRC Abstracts

Submissions should be printable on a standard printer on common paper formats, such as US letter and A4.

The author(s) name(s) and address(es) must NOT appear in the body of the paper, and self reference should be in the third person. This is to guarantee impartiality of the blind review.

Notice that not blind Full Papers **will not be sent to the reviews and will be rejected.**

Paper registration is required, allowing the inclusion of the paper/poster in the conference proceedings. An author or a proxy attending SAC MUST present the paper. This is a requirement for the paper/poster to be included in the ACM digital library. No show of registered papers and posters will result in excluding them from the ACM digital library.